



# CIPO TIMES



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## CIPO Upcoming Events:

- 20-24 March  
NDIA Conference  
Norfolk, VA*
- 21-22 March  
Net-Centric Operational Environment Joint Integrating Concept Workshop  
McLean, VA*
- 28-30 March  
C2 Net-Centric Environment Science and Technology Conference  
Alexandria, VA*
- 11-15 April  
Pacific Endeavor 05 MPC  
Manila, Philippines*
- 14 April  
PEO-Interchange  
Hanscom AFB, MA*
- 19-21 April  
JRAE FPC  
Hanscom AFB, MA*

## A Forward Look into the future of Joint UAVs

The United States Joint Forces Command (USJFCOM) Intelligence Directorate called on a joint service CIPO team to coordinate and execute an assessment of FORWARD LOOK (FL) experiments. FL is a recently conducted series of experiments by Joint Operational Test Bed System (JOTBS), a USJFCOM established government flight activity to conduct joint Unmanned Aerial Vehicle (UAV) interoperability experimentation at Ft Huachuca, AZ. FL was utilized to evaluate and assess experiments of multiple dissimilar UAVs and several state-of-the-art technologies for enhancing Situational Awareness with the premise there is a need to develop a net-centric approach to multiple UAV/sensor integration and interoperability. The UAVs operated for FL were the Predator RQ-1A, Shadow 600, ScanEagle, and the Silver Fox.



The Predator RQ-1

tary utility and potential for multiple UAV systems to integrate and collaborate within the systems through both operational and legacy communications architectures. Decision makers can rapidly coordinate multiple dissimilar UAVs and receive relevant and high-quality imagery of targets on the battlefield.

Although FL made great progress in advancing the use of UAVs, there still remain challenges in its operation. UAVs are not integrated into a joint and collaborative environment or system, which results in decision makers not being able to take advantage of multiple UAVs. Some challenges are due to Service-centric development of systems and UAVs operating with developmental software and unique hardware. When asked how these challenges can be overcome, Mr. Kalomiris replies, "These challenges can only be overcome through joint development and testing of operations, systems, and architectures." The CIPO will continue to assist the JOTBS in its UAV experimentation in the hopes to dramatically improve the interoperability of UAVs.

The CIPO team, led by Mr. Vasilios Kalomiris, was comprised of members from JFCOM, Joint Interoperability Test Command (JITC), Army CERDEC, Navy SPAWAR, the Service labs, and SAIC. Their assessment resulted in demonstrating the mili-

## Pacific Endeavor 05...Breaking new ground in the Pacific

On 11-14 November, JFPO and CIPO members LTC Preston Butler (USA) and Capt Teresa Weimer (USAF) attended the first-ever Pacific Endeavor (PE)



LTC Butler and Capt Weimer with two Thai Colonels at the PE 05 ICP

2005 Initial Planning Conference held at Schofield Barracks, Hawaii. PE is the U.S. Pacific Command's (PACOM) newest C4 initiative that brings the Asia-Pacific nations together to

integrate communications and information systems, test interoperability, and aid in developing common regional standards. The PE workshop will develop the Multinational Communications

Interoperability Guide (MCIG), which will be used to identify a participating nation's C4 equipment/systems and identify the measures required to achieve interoperability.

In attendance were representatives from 14 Asian-Pacific nations for the week-long conference. The CIPO was critical in providing assistance to Joint Interoperability Test Command (JITC) in developing communication plans, architectures, support planning, and execution for the workshop. Due to gaps in technological advancement, the workshop is going to begin by testing basic communications equipment such as telephone switches and radios. The CIPO's continued role in the PE workshop will be crucial in providing standardized engineering/network solutions and providing JITC with an operational assessment of the workshop.



## Q&A: CIPO's Lt Col Brenda Mangente (USAF) on her recent Air Force deployment to Iraq (September 04-February 05)

**Q: First, welcome home. What's the first thing you did after getting back?**

**A:** Sleep! It's nice not to have to worry about rockets, small arms fire, mortars, and low-flying Blackhawks waking you in the middle of the night. And it was also nice just to slow down.

**Q: Enlighten us on your job...or is it jobs?**

**A:** Ha-ha...I was assigned to one position number but ended up wearing three more hats before I left: Policy Chief for RADM Nancy Brown, DCS CIS; Chief of Executive Communications, (a.k.a. General Officers' communications support); Chief of Engineering for the CIS Coordination Center-Iraq (CCCI); then Deputy Director, CCCI.

**Q: What were some of the significant changes that took place while you were there?**

**A:** Build-out of the Global information Grid by our joint/coalition forces. Specifically, the improvement of our current networks through structural upgrades; consolidation of services at a few technology control facilities; refining requirements and prioritizing resources; and improving the cellular telephone coverage...to name a few things. RADM Brown set the pace, which was fast and furious. The faster we can transition from a tactical infrastructure to a more commercialized network, the easier it is to stabilize the C4 environment, hand-over these capabilities to the Iraqis, and bring us closer to going home.

**Q: "Interoperability" and "joint" are the mantra du jour. Describe one experience covering these terms.**

**A:** For me, it was the British C-130 crash on January 30, 2005. Upon receiving word of "no contact" after take-off, our military machinery slammed into high gear. I sat in the Joint Operations Center (JOC) and watched with pride as all these men and women from the various staffs, Coalition/US, came together to support the British in recovering their lost crew. The Air Force and British made the first notification, the Army Chief of Operations ran the show from the JOC, and the Marines conducted the actual tactical recovery of aircraft and personnel. I was amazed at the comm traffic (video and text) all over the massive screens; it was calming to see the coordination from the chaos. Sad day for our British comrades....



Lt Col Mangente enjoying an evening in Baghdad

**Q: Indeed...these things are never easy. Thoughts from this side of the fence now that you're home? Anything you would like to do differently?**

**A:** Keep supporting our deployed service members not only in Iraq but all over the world. Oh yeah! And tell the newbies to bring a portable DVD player. It sure helps pass the time.

## CIPO Participates in Next Generation Collaboration Service Pilot

The CIPO has been utilizing the Next Generation Collaborative Service (NGCS), hosted at the Global Information Grid Enterprise Services portal, <https://gesportal.mil>, to conduct meetings and working sessions from the desktop. The web based service, powered by WEBEX, is part of a pilot to establish and collect collaboration requirements and provide an early transition opportunity for developing the desktop collaborative culture. Initial collaboration efforts have been conducted fairly seamlessly between SPAWAR, ESC, CERDEC, DISA, and JFCOM networks. NGCS provides file and application sharing, voice over IP, whiteboard, chat, and polling that, with the exception of the host who needs to have access to the GES Portal, only requires a web browser to participate.

## Transitions in Foreign Language Translation

CIPO's CDR Bob Noelsch (USN) and Bruce Testa met March 2005 with U.S. Army PEO Intelligence, Electronic Warfare Sensors in the first step in transitioning the Joint Forces Command (JFCOM) sponsored Machine Foreign Language Translation System (MFLTS) program to SEQUOYAH Foreign Language Translation System (S-FLTS) Program of Record. The S-FLTS will be the DOD's Joint Program of Record that addresses the translator capability gap by providing a two-way automated speech and text translation capability on demand for the Joint force. The CIPO members serve as the Chief Engineer and Overall Program Manager for the MFLTS Joint Transitional Management Team (JTMT).

ager for the MFLTS Joint Transitional Management Team (JTMT).

In the past three years, the MFLTS JTMT has fielded over \$8M in automated language translation equipment to the COCOMs and Component Services. The family of automated translation technologies that the MFLTS JTMT has fielded includes handheld speech translation devices, text translation devices, visual language translators, networked chat capabilities, and document exploitation tools. With increased emphasis being placed on foreign languages, the MFLTS JTMT contributed greatly to the DOD in developing Arabic, Thai, and Korean language pairs and translation engines, all considered weak points prior to 9/11. The MFLTS JTMT is currently supporting a USJFCOM Commander's Special Project to provide bi-directional (2-way) speech translation devices for the U.S. Military and launching an effort to provide transcription-translation capabilities (real-time translation of streaming video and audio) to the COCOMs.



The Phraselator, a handheld speech translation device, in use in Afghanistan

Program Man-



Supporting DOD Transformation



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